DYNKIN, Yevgqniy Borisovich; YUSHKEVICH, A.A., red.; BRUDNO, K.P.,
tekhn.red.

[Foundations of the theory of Markov processes] Osnovaniia
teorii markovskikh protsessov. Moskva, Gos.izd-vo fiziko-matem.
lit-ry, 1959.   227 p.   (MIRA 12:11)
                      (Probabilities)

32515

16.6100 (2403)

S/044/61/000/011/038/049
C111/C444

AUTHOR: Yushkevich, A. A.

TITLE: On the differentiability of the transition probabilities
            of a homogeneous Markov process with denumerable number
            of states

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1961, 6,
            abstract 11V24. (Uch. zap. MGU, 1959, vyp. 186, 141-159)

TEXT: It is proved that homogeneous Markov processes with
countable number of states are strictly of the Markov kind. This
property is used in order to prove that the transition probabilites
$p_{ik}(t)$ for $t > 0$ possess finite derivatives, if one of the limits

$$\lim_{t \to 0} \frac{1-p_{ii}(t)}{t} \, , \quad \lim_{t \to 0} \frac{1-p_{kk}(t)}{t}$$

is finite. If both of the limits are finite, then $p_{ik}(t)$ is absolutely

continuous. An example is constructed, where $p_{ik}(t)$ possesses an infini-
te second derivative.
[Abstracter's note: Complete translation.]
Card 1/1

DEMIDOVICH, Boris Pavlovich; MARON, Isaak Abramovich; SMOLITSKIY, Kh.L.,
prof., retsenzent; FROLOV, S.V., dotsent, retsenzent; SHOSTAK, R.Ya.,
retsenzent; YUSHKEVICH, A.A., retsenzent; BIRYUK, G.I., red.;
AKHLAMOV, S.N., tekhn.red.

[Principles of computer mathematics] Osnovy vychislitel'noi mate-
matiki. Pod obshchei red. B.P.Demidovicha. Moskva, Gos.izd-vo
fiziko-matem.lit-ry, 1960. 659 p.   (MIRA 14:4)
                  (Mathematics)

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Definition of a strong Markov process. Teor. veroiat. i ee prin.
5 no.2:237-243 '60.   (MIRA 13:9)
            (Probabilities)

DYNKIN, Yevgeniy Borisovich; YUSHKEVICH, A.A., red.; BRUDNI, K.F.,
tekhn. red.

[Markov processes] Markovskie protsessy. Moskva, Fiz-
matgiz, 1963. 859 p.   (MIRA 16:5)
                    (Markov processes)

KRYLOV, N.V.; YUSHKEVICH, A.A. (Moscow)

Markov random sets. Teor. veroiat. i ee prim. 9 no.4:738-743 '64.   (MIRA 17:12)

KRYLOV, N..; POBOBEVICH, A.A.

 ...... Markov sets. Trudy Mosk. mat. ob-va 13:114-135 '65.
                                        (MIRA 18:9)

MUKHINA, L.M.; YUSHKEVICH, A.I.

Experience in teaching mathematics in speeded up instruction groups. Uch. zap. Pskov.gos.ped.inst. no.23:47-65 '64. (MIRA 18:10)

YUSHKEVICH, A. P.

Idei obosnoraniya matematicheskogo analiza v XVIII veke. V kh. Lazar' Karno (Razmyshleniya o metafizike ischisleniya beskonechno malykh). M. - L., GTTI (1935), 11-76.

SO: Mathematics in the USSR, 1917-1947
         edited by Kurosh, A.G.,
         Markushevich, A.I.,
         Rashevskiy, P.K.
      Moscow-Leningrad, 1948

YUSHKEVICH, A. P.

Matematika i yeye prepodavaniye v rossii v XVII - XIX - vv. zh. Matem. v shkole, 1-6 (1947).

SO: Mathematics in the USSR, 1917-1947
          edited by Kurosh, A.G.,
          Markushevich, A.I.,
          Rashevskiy, P.K.
       Moscow-Leningrad, 1948

ILICH, A.P.

Ivshkevich, A. P. Academician P. L. Chebyshev and his rôle
in the development of Russian science. Akad. Nauk
SSSR. The ... last lit be taken at page... 119-161
(1947) (Russian)

Source: Mathematical Reviews   Vol. 12 No. 5

YUSKEVICH, A.P.

Yuskevich, A.P. "Mathematics in Moscow University during the first hundred years of its existence", Ist.-matem. issledovaniya, Issue 1, Moscow, 1948, p. 43-140

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)
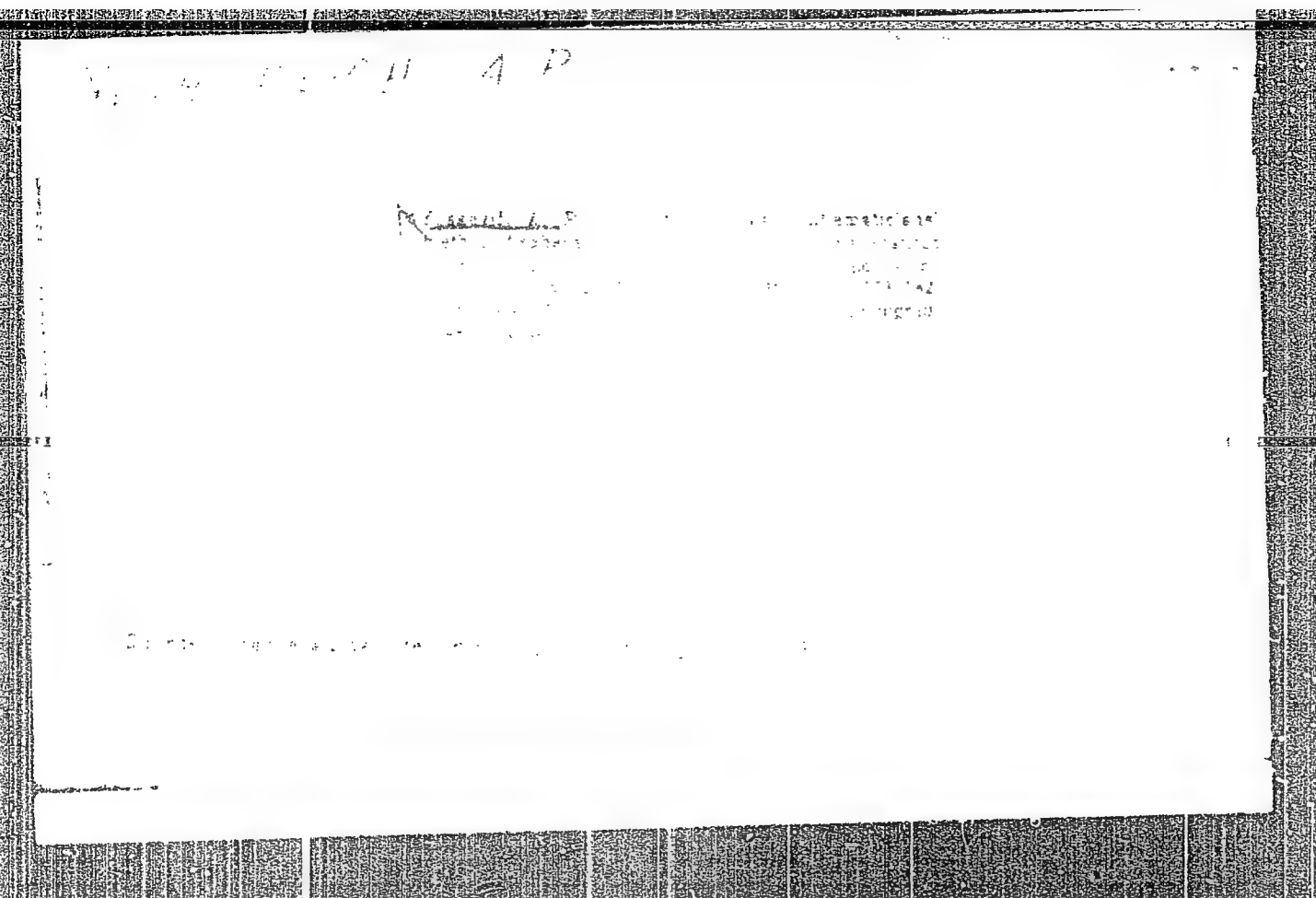
Yushkevi, A. P. Omar Khayyam and his "Algebra." Akad.
Nauk SSSR Trudy Inst. Istor. Estestvoznaniya 2, 499-
534 (1948) (Russian)

Source. Mathematical Reviews, 1930% Vol. 1 No. 8

VISARIONICH, A. P.

Aksev, A. P. On the first Russian edition of the work Euclid and Archimedes ... Nauk-book. Ivady In-
...

Source ... Reviews, ... 3

YUSHKEVICH, A. P.

37165.   YUSHKEVICH, A. P.; i BASHMAKOVA. I. G.   "Algebra Ili Vychislenie Kohechnykh"
No I. Lobachevskogo. V. sb: Ist-matem. Issledovaniya. Vyp, 2 M-L, 1949
s. 72-128

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949.

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SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

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Yushkevich, A. P. Euler and Russian mathematics in the XVIIIth century. Akad. Nauk SSSR Trudy Inst. istorii estestvoznaniya 3, 45-116 (1949) (Russian)

Source: Mathematical Reviews, 1950   Vol. 1   No. 8

YUSHKEVICH, A. P.

Yushkevich, A. P. - "Certain problems of lecturing on mathematics in technical colleges",
Vestnik vyssh. shkoly, 1949, No. 4, p. 10-12.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

YUSHKEVICH, A.P.

BAKHMUTSKAYA, E.Ya. (Khar'kov); PRUDNIKOV, V.Ye. (Moscow); ROSSINSKIY, S.D.
(Moscow); DEPMAN, I.Ya. (Leningrad); SHOSTAK, R.Ya. (Moscow);
FIKHTENGOL'TS, G.M. (Leningrad); SPASSKIY, I.G. (Leningrad); GUSSOV, V.V.
(Vladivostok); RYBKIN, G.F., redaktor; YUSHKEVICH, A.P., redaktor.

[Historical studies in mathematics. Vol. 5] Istoriko-matematicheskie
issledovaniia. Moskva, Gos. izd-vo tekhniko-teoreticheskoi lit-ry, 1952.
472 p. Vol. 5.   (MLRA 6:5)

1. Moscow. Universitet. Seminar po istorii matematiki.
        (Mathematics) (Osipovskii, Timofei Fedorovich, 1765-1832)
        (Peterson, Karl Mikhailovich, 1828-1881) (Letnikov, Aleksei
        Vasil'evich, 1837-1888)

DESCARTES, René, 1596-1650 [author]; SLYUSAREV, G.G., perevodchik i kommentator;
YUSHKEVICH, A.P., perevodchik i kommentator.

[Discourse on Method with his Dioptrics, Meteors and Geometry] Rassuzhdenie
o metode o prilozheniiami dioptrika, meteory, geometriia. Red., perevod,
stat'i i kommentarii G.G.Sliusareva i A.P.IUshkevicha. [Leningrad] Izd-vo
Akademii nauk SSSR, 1953. 656 p.   (MIRA 6:7)
                                             (Science—Methodology)

YuSHKEVICH A.P.

RYBKIN, G.F., redaktor; YUSHKEVICH, A.P., redaktor; BITYUTSKOV, V.I., redaktor; TUMARKINA, N.A., tekhnicheskiy redaktor

[Studies on the history of mathematics] Istoriko-matematicheskie issledovaniia. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry. Vol. 6. 1953. 671 p.   (MLRA 7:10)
        (Mathematics--History)

YUSHKEVICH, A.P.

The mathematical treatises of Omar Khayyám. Istor.

Rozenfeld, B. A. and Yushke., A. P. Notes to the mathematical treatises of Omar Khayyám. Istor.

I - F/W

based on a presumably unique [...] transcript. How
[...] in the library [...] Sipahsalar Mosque
of Teheran, was obtained by [...] Scripta Math. J.
[...] to the novel that [...] part of (2) is an ad-
[...] [...] and that it was
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[...] and third parts
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[...] [...] [...]ersity (Beirut).

YUSHKEVICH, A. P.

Jan/Feb 53

USSR/Mathematics - Societies

"Five Weekly Sessions (23 Sep - 21 Oct 52) of the Moscow Mathematical Society"

Usp Mat Nauk, Vol 8, No 1(53), pp 173-176

P. S. Aleksandrov, pres of the Soviety, urged members to assist in problems announced at the 19th Party Congress. The following reports were made: K. A. Sitnikov "Possibility of Capture in the Three-body Problem." S. L. Sobolev, "A Difference Equation." A. N. Kolmogorov, "Spectra of Dynamic Systems on a Torus." A. V. Bitsadze, "The Mixed-type Equation $u_{xx}+sgny.u_{yy}=0$ of M. A. Lavrent'yev." L. N. Sretenskiy, "The Motion of the Goryachev-Chaplygin Gyroscope."I. N. Vekua, "Systems of Elliptic Equations." V. V. Nemytskiy, "Structure of the Spectrum of Nonlinear Operator Equations." A. P. Yushkevich, "Mathematics of Central Asian Peoples in the 9-15th Centuries." L. S. Sretenskiy vice pres of the Society suggested felicitations for member S. S. Byushgenson his 70th birthday.

PA 250T75

YUSHKEVICH, A.P.

Muhammad ibn Musa al-Khuwarazmi's treatise on arithmetic.
Trudy Inst. ist. est. i tekh. no.1:85-127 '54. (MLRA 8:9)
(Arithmetic--History) (Algorism)

1 - P/W

The mathematical treatises of Dzemšid Giyaséddin Kaši.
Istor.-Mat. Issled. 7, 9–379 (1954). (Russian)

Yuškevič, A. P. and Rozenfel'd, B. A. Commentary on
The mathematical treatises of Dzemšid Giyaséddin
Kaši. Istor.-Mat. Issled. 7, 380–449 (1954) (Russian)

These two works together comprise a translation into
Russian ... ... mentary on two books written by
Jemshid ... ... al-Kashani or al-Kashi (fl. 1470)
wh... ... ... facsimile of numerous
h... ... ... been included
... ... The key to arithmetic, a
... ... published by ... key in two
... ... 170, 217, 274 (1948). The Reckon...
... ... M... ... al Kaši ... Deutsche Mo...
... ... chift, Steiner, Wiesbaden, 1951.
... ... Thus the main interest of the Russian
... ... not deal with by Luckey
... ... a number of worked examples in
... ... decimal fractions are freely
... ... touches ... include the
... ... figures, solids, regular and semi-
... ... and area computations for
regular ... ...

BASHMAKOVA,I.G. (Moscow); YUSHKEVICH,A.P. (Moscow)

Leonard Euler. Ist.-mat.issl. no.7:453-512 '54.   (MLRA 8:6)
(Euler, Leonard, 1707-1783)

YUSHKEVICH, A.P. (reviewer)

"Mikhail Vasil'evich Ostrogradskii." B.V.Gnedenko. Reviewed by
A.P.IUshkevich. Usp.mat.nauk 9 no.1:155-158 Ja-F '54.

(MLRA 7:2)

(Ostrogradskii, Mikhail Vasil'evich, 1801-1861)
(Gnedenko, Boris Vladimirovich, 1912-)

YUSHKEVICH, A.P.
ROGACHENKO, V.F.

"Research in the history of mathematics." G.F.Rybkin, A.P.IUshkevich.
Reviewed by V.F.Rogachenko. Usp.mat.nauk 9 no.3:267-273 '54.(MLRA 7:10)
(Mathematics) (Rybkin, G.F.) (IUshkevich, A.P.)

YUSHKEVICH, A.P.

KUZNETSOV , I.V., redaktor; GOLUBTSOVA, V.A., redaktor; GRIGOR'YAN,
A.T., redaktor; ZUBOV , V.P., redaktor; SOTIN , B.S., redaktor;
FIGUROVSKIY, N.A., redaktor; SHUKHARDIN, S.V., redaktor;
YUSHKEVICH, A.P., redaktor; DOBRONRAVOVA,A.O., redaktor;
ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

[History of the science and technology of China; a collection
of articles] Iz istorii nauki i tekhniki Kitaia; sbornik;
statei, Moskva, Izd-vo Akademii nauk SSSR, 1955. 181 p.
                                        (MIRA 8:10)

1. Akademiya nauk SSSR. Institut istorii yestestvoznaniya i
tekhniki.
        (China--Science--History) (China--Technology--History)

YUSKEVICH, A. P.

★ Yuškevič, A. P. On attainments of Chinese scholars in the field of mathematics. Iz istorii nauki i tehniki Kitaya (From the history of science and engineering in China), pp. 130-159. Izdat. Akad. Nauk SSSR, Moscow, 1955. 7.75 rubles.

Math Educ

Essentially the same as a paper by the author in Istor. Mat. Issled. 8 (1955), 539-572; MR 17, 1.

YUSHKEVICH, H. F.

ANDRONOV, I.K., prof.; VYGODSKIY, M.Ya., prof., DEPMAN, I.Ya., prof.;
MOLODSHIY, V.N., dots.; IUSHKEVICH, A.P., prof.; SMIRNOVA, M.I.,
tekhn. red.

[Programs of pedagogical institutes; history of elementary mathe-
matics for mathematical sections of physics and mathematics facul-
ties] Programmy pedagogicheskikh institutov; istoriia elementarnoi
matematiki dlia matematicheskikh otdeleniy fiziko-matematicheskikh
fakul'tetov. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR,
1956. 12 p.   (MIRA 11:9)

1. Russia (1917-   R.S.F.S.R.) Glavnoye upravleniye vysshikh i
srednikh pedagogicheskikh uchebnykh zavedeniy.
                (Mathematics--Study and teaching)

YUSHKEVICH, A.P.

AL-KASHI, Dzhemshid Giyaseddin [Al-Kashi, Jamshid Ben Mac'ud]; ROZENFEL'D,
B.A. [translator]; SEGAL', V.S., redaktor; YUSHKEVICH, A.P.,
redaktor; RAZUMOVSKAYA, A.P., redaktor; MURASHOVA, N.Ya., tekhni-
cheskiy redaktor

[Kay to arithmetic. Treatise on the circumference. With a supplement
containing the Arabic manuscripts of both treatises, Translated from
the Arabic] Kliuch arifmetiki. Traktat ob okruzhnosti. Perevod s
arabskogo B.A.Rozenfel'da. Red. V.S.Segalia i A.P.IUshkevicha.
Kommentarii A.P.IUshkevicha i B.A.Rozenfel'da. S prilozheniem
reproduktaii arabskikh rukopisei oboikh traktatov. Moskva, Gos.
izd-vo tekhniko-teoret. lit-ry, 1956. 566 p.   (MIRA 10:7)
          (Geometry, Plane)

YUSHKEVICH, A.P.

A new book on Gauss ("Karl Friedrich Gauss." Erich Worbs.
Reviewed by A.P. IUshkevich). Vop. ist. est. i tekh. no.1:
299-301 '56.
(MLRA 9:10)

(Gauss, Karl Friedrich, 1777-1855) (Worbs, Erich)

YUSHKEVICH, A.P.

Medieval German manuscript on arithmetic. Vop.ist.est. i tekh.
no.2:290-291 '56.   (MIRA 10:1)

(Regensburg, Germany--Arithmetic--Before 1846)

YUSHKEVICH, A. P.

YUSHKEVICH, A.P.

Leonard Euler's life and his works in mathematics.   Usp.mat.nauk
12 no.4:3-28 Jl-Ag '57.   (MIRA 10:10)
               (Euler, Leonhard, 1707-1783)

YUSHKEVICH, A.P.

S.I. Vavilov as a student of I. Newton's work. Trudy Inst.ist.
est.i tekh. 17:66-89 '57. (MIRA 10:7)
  (Vavilov, Sergei Ivanovich, 1891-1951)
  (Newton, Isaac, 1642-1727)

YUSHKEVICH, A.P., doktor fiziko-matematicheskikh nauk; MANDRYKA, A.P.,
kandidat tekhnicheskikh nauk.

The 250th anniversary of L. Euler's birth. (Solemn sessions
in Berlin and Leningrad). Vest. AN SSSR 27 no.6:121-123 Je '57.
(Euler, Leonhard, 1707-1783)

YUSHKEVICH, A.P.

Celebration of Euler's jubilee in the U.S.S.R. and German Democratic Republic. Usp.mat.nauk 12 no.4:223-225 Jl-Ag '57. (MIRA 10:10)

(Euler, Leonhard, 1707-1783)

YUSHKEVICH, A.P.

YUSHKEVICH, A.P.

"Johann Bolyai; life and works of a great matematician" [in German]
by Imre Toth. Reviewed by A.P. IUshkevich. Vop. ist. est. i tekh.
no.3:230-231 '57.   (MIRA 11:1)

(Bolyai, Johann, 1802-1860)
(Toth, Imre)

YUSHKEVICH, A.P.

YUSHKEVICH, A.P.

Leonhard Euler and the quadrature of the circle. Ist.-mat. issl. no.10:
159-210 '57.   (MIRA 11:1)
(Euler, Leonhard, 1707-1783)   (Circle-squaring)

Yushkevich, A.P.

YUSHKEVICH, A.P.

"Transactions of the Berlin Academy of Sciences, 1746-1766; documents about Leonhard Euler's activity in Berlin" [in German] by E. Vinter. Reviewed by A.P. IUshkevich. Vop.ist.est. i tekh. no.5:204 '57.   (MIRA 11:2)

(Euler, Leonhard, 1707-1783)
(Vinter, E.)

YUSHKEVICH, A. P.

One problem of the number theory in the Russian mathematical
manuscripts of the 17th century.   Trudy Inst.ist.est.i tekh.
17:300-311 '57.   (MIRA 10:7)

(Numbers, Theory of)

EYLER, Leonard [Euler, Leonhard]; LAVRENT'YEV, M.A., red.; YUSHKEVICH, A.P., red.; GRIGOR'YAN, A.T., red.; GESSEN, L.V., red.izd-va; POLENOVA, T.P., tekhn.red.

[Leonhard Euler; a collection of articles presented to the Academy of Sciences of the U.S.S.R. in honor of the 250th anniversary of his birth] Leonard Eiler; sbornik statei v chest' 250-letiia so dnia rozhdeniia, predstavlennykh Akademii nauk SSR, 1958. 606 p.
(MIRA 12:4)

1. Predsedatel' Eylerovskogo yubileynogo komiteta Akademii nauk SSSR (for Lavrent'yev).
(Euler, Leonhard, 1707-1783)

YUSHKEVICH, A.P.

φ 3

PHASE I BOOK EXPLOITATION   SOV/1366

16(1)

Istoriko-matematicheskiye issledovaniya, vyp. 11 (Research in Mathematical History, Nr 11) Moscow, Fizmatgiz, 1958. 792 p. 3,000 copies printed.

Eds. (Title page): Rybkin, G.F. and Yushkevich, A.P.; Ed. (Inside book): Konoplyankin, A.A.; Tech. Ed.: Murashova, N. Ya.

PURPOSE: This book is intended for mathematicians and others interested in the history of mathematics, and may serve as the basis for a suitable university text on the history of mathematics, thereby filling the most serious gap in Soviet mathematical literature.

COVERAGE: This book contains reports made by members of the section on the history of mathematics at the Third All-Union Mathematical Congress which discussed problems of the history of mathematics and various articles on the significance of the history of mathematics

Card 1/8

Research in Mathematical History (Cont.)   SOV/1366

for mathematics itself and for the other sciences. There are
also four articles on the history of mathematics in Czechoslovakia
and Rumania, an article on the investigation of the algebraic
roots of differential calculus in connection with a study of the
mathematical writings of K. Marx, and an article on the work done
on negative numbers by the Arabian mathematician, Abu-1-Wafa. A
series of articles on various texts and documents connected with
the history of mathematics, including a translation of the
treatise De Configuratione Qualitatum by N. Oresme and two articles
concerning it, concludes the book.

Card 2/8

SOV/1366

Research in Mathematical History (Cont.)

Card 3/8

Card 4/8

Card 6/8

Card 7/8

AVAILABLE: Library of Congress

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KUKARKIN, Boris Vasil'yevich, prof.; RYBNIKOV, Konstantin Alekseyevich, prof.; BASHMAKOVA, Isabella Grigor'yevna; YUSHKEVICH, Adol'f Pavlovich; YANOVSKAYA, Sof'ya Aleksandrovna; SPASSKIY, Boris Ivanovich, dotsent; MIKHAYLOV, Glab Konstantinovich, starshiy nauchnyy sotrudnik; MATYNOV, D.Ya., prof., otv.red.; GORDEYEV, D.I., prof., red.; IVANENKO, D.D., prof., red.; KUDRYAVTSEV, P.S., prof., red.; KULIKOVSKIY, P.G., dotsent, red.; KHRGIAN, A.Kh., prof., red.; SHEVTSOV, N.S., prof., red.; VERKHUNOV, V.M., assistant, red.; KONONKOV, A.F., red.; YERMAKOV, M.S., tekhn.red.

[Programs of courses on the history of the physicomathematical sciences] Programmy po istorii fiziko-matematicheskikh nauk. Moskva, 1959. 40 p.   (MIRA 12:12)

1. Moscow. Universitet. 2. Orgkomitet Vsesoyuznoy mezhvuzovskoy konferentsii po istorii fiziko-matematicheskikh nauk (for Kukarkin, Rybnikov, Spasskiy, Gordeyev, Ivanenko, Kudryavtsev, Kulikovskiy, Mikhaylov, Khrgian, Shevtsov, Verkhunov, Kononkov).
      (Physics--Study and teaching)
      (Mathematics--Study and teaching)

YUSHKEVICH, A. P.

16(0)   PHASE I BOOK EXPLOITATION   SOV/3177

Matematika v SSSR za sorok let, 1917-1957. tom 1: Obzornyye stat'i (Mathematics in the USSR for Forty Years, 1917-1957). Vol 1: (Review Articles) Moscow, Fizmatgiz, 1959. 1002 p. 5,500 copies printed.

Eds: A. G. Kurosh, (Chief Ed.), V. I. Dityutakov, V. G. Boltyanskiy, Ye. B. Dynkin, O. Ye. Shilova, and A. P. Yushkevich; Ed. (Inside book); A. P. Lapko; Tech. Ed.: S. N. Akhlamov.

PURPOSE: This book is intended for mathematicians and historians of mathematics interested in Soviet contributions to the field.

COVERAGE: This book is Volume I of a major 2-volume work on the history of Soviet mathematics. Volume I surveys the chief contributions made by Soviet mathematicians during the period 1947-1957. Volume II will contain a bibliography of major works since 1917 and biographic sketches of some of the leading mathematicians. This work follows the tradition set by two earlier works: Matematika v SSSR za pyatnadtsat' let (Mathematics in the USSR for 15 Years) and Matematika v SSSR za dvadtsat' let (Mathematics in the USSR for 20 Years). The book is divided into the major divisions of the field, i.e., algebra, topology, theory of probabilities, functional analysis, etc., and contributions and outstanding problems in each discussed. A listing of some 1800 Soviet mathematicians is included with references to their contributions in the field.

Lyapunov, A. A.   Mathematical Studies Connected With the
Use of Computers

1. Theoretical studies in programming   857
2. Nonarithmetical use of computers   858
3. Theoretical studies of control systems   862
4. Certain other problems of mathematical cybernetics   874

Shura-Bura, M. R.   Programming   879

Bakhvalov, S. V.   Nomography   887

Chetverukhin, N.   Descriptive Geometry   893
1. Fundamental theorems of axonometry and its generali-
   zation
2. Multidimensional descriptive geometry   893
3. Parametric method of studying images. Positional   895
   and metric completeness
4. Other problems

Dubnikov, A. L., Norden, A. P., and Finikov, S. P.
Differential Geometry   896
1. Problems of classical differential geometry and   897
   their generalizations
2. Riemann spaces and spaces of affine connection   899
3. Theory of nets   899
4. Induced constructions   907
5. Complex spaces   911
6. Theory of geometric objects   913
                                                                915
                                                                918

Efimov, N. V.   Geometry "in the large"   925
1. Geometry on a convex surface   926
2. Single valued determination of convex surfaces   930
3. Regularity of convex surfaces with regular metric   932
4. General theory of surfaces. Polyhedra   933
5. Existence, uniqueness, and regularity of surfaces
   under given conditions of Gaussian curvature.   942
6. Certain nonlinear boundary value problems
6. Singularity of surfaces given a function of the   944
   principle curvatures
7. Arithmetic invariants. Theorems on local deformations   946
8. Infinitesimal bendings   948
9. Certain results on synthetic geometry   951

Dubnikov, A. L.   The History of Mathematics   953
1. Introduction   955
2. Mathematics of the ancient East   957
3. Mathematics of ancient Greece   960
4. Mathematics in the Middle Ages   965
5. Works of modern mathematicians
6. Works on the history of various disciplines and   980
   problems; works of a general nature

Author's Index   987

OSTROGRADSKIY, Mikhail Vasil'yevich [deceased]; SHTOKALO, I.Z., akademik, otv.
red.; BOGOLYUBOV, N.N.,akademik, otv.red.toma; GNEDENKO, B.V., akademik,
red.; ISHLINSKIY, A.Yu., akademik, red.; REMEZ, Ye.Ya., red.; SAVIN, G.N.,
akademik, red.; SOKOLOV, Yu.D., red.; SMIRNOV, V.I., akademik, red.;
YUSHKEVICH, A.P., prof., red.; POGREBYSSKIY, I.B., dotsent, red.;
SHTELIK, V.G., red.izd-va; RAKHLINA, N.P., tekhn.red.

[Collected works in three volumes] Polnoe sobranie trudov v trekh
tomakh. Kiev, Izd-vo Akad.nauk USSR. Vol.1. 1959. 310 p.
(MIRA 12:8)

1. AN USSR (for Shtokalo, Gnedenko, Ishlinskiy, Savin). 2. Chlen-
korrespondent AN USSR (for Remez, Sokolov).
(Science)

YUSHKEVICH, A.P.; ROZENFEL'D, B.A.

Mathematics in Oriental countries during the Middle Ages. Iz ist.
nauki i tekh. v stran. Vost. no.1:349-421 '60.   (MIRA 14:8)
(East--Mathematics)

ROZENFEL'D, B.A.; YUSHKEVICH, A.P.

Remarks on Kasi-zade al-Rumi's treatise.   Ist.-mat. issl. no.13:552-
556 '60.   (MIRA 14:8)
                (Circle)

ROZENFEL'D, B.A.; YUSHKEVICH, A.P.

Comments on Kasi-sade al-Rumi's treatise on the determination
of the sine of one degree of arc. Ist.-mat. issl. no.13:533-
538 '60.   (MIRA 14:8)
                        (Circle)

YUSHKEVICH, A.P.; VINTER, E.

Leonhard Euler's correspondence with the Academy of Sciences in St. Petersburg from 1741 to 1757. Trudy Inst. ist. est. 1 tekh. 34:428-491 '60.

(MIRA 14:2)

(Euler, Leonhard, 1707-1783)

KOL'MAN, E.; YUSHKEVICH, Adol'f Pavlovich; ROZENFEL'D, B.A., otv.
red.; UGAROVA, N.A., red.; POLOVINKIN, S.N., red.;
AKHLAMOV, S.N., tekhn.red.

[Mathematics before the Renaissance] Matematika do epokhi Voz-
rozhdeniia. Moskva, Gos. izd-vo fiziko-matem. lit-ry.
Book 2. [History of mathematics in the Middle Ages] Istoriia
matematiki v Srednie veka. 1961. 448 p.   (MIRA 15:3)
(Mathematics)

OSTROGRADSKIY, Mikhail Vasil'yevich, matematik, mekhanik; SHTOKALO, I.Z.,
akademik, otv. red.; GNEDENKO, B.V., akademik, zam. otv. red.; ISH-
LINSKIY, A.Yu., akademik, zam. otv. red.; BOGOLYUBOV, N.N., akademik,
red.; REMEZ, Ye.Ya., red.; SAVIN, G.N., akademik, red.; SOKOLOV, Yu.D.,
red.; SMIRNOV, V.I., akademik, red.; YUSHKEVICH, A.P., prof., red.;
POGREBYSSKIY, I.B., dotsent, red.; SHTELIK, V.G., red. izd-va; RAKHLI-
NA, N.P., tekhn. red.

[Complete works in three volumes] Polnoe sobranie trudov v trekh to-
makh. Kiev, Izd-vo Akad. nauk USSR. Vol.2. 1961. 358 p.
(MIRA 14:11)

1. AN USSR (for Shtokalo, Gnedenko, Ishlinskiy). 2. Chlen-korrespondent
AN USSR (for Remez, Sokolov).
(Mechanics, Analytic)

OSTROGRADSKIY, Mikhail Vasil'yevich [deceased]; SHTOKALO, I.Z., akademik,
otv.red.; GNEDENKO, B.V., akademik, otv.red.toma; ISHLINSKIY,
A.Yu., akademik, zamestitel' otv.red.; BOGOLYUBOV, N.N., akademik,
red.; REMEZ, Ye.Ya., otv.red.toma; SAVIN, G.N., akademik, red.;
SOKOLOV, Yu.D., red.; SMIRNOV, V.I., akademik, red.; YUSHKEVICH,
A.P., prof., red.; POGREBYSSKIY, I.B., dotsent, red.; SHTELIK,
V.G., red.izd-va; RAKHLINA, N.P., tekhn.red.

[Complete collection of works in three volumes] Polnoe sobranie
trudov v trekh tomakh. Kiev, Izd-vo Akad.nauk USSR. Vol.3. 1961.
395 p.   (MIRA 15:2)

1. AN USSR (for Shtokalo, Gnedenko, Savin). 2. Chleny-korrespondenty
AN USSR (for Remez, Sokolov).
            (Mathematics)
    (Ostrogradskii, Mikhail Vasil'evich, 1801-1861)

BOGOLYUBOV, N.N., red.; GNEDENKO, B.V., red.; POGREBYSSKIY, I.B., red.;
REMEZ, Ye.Ya., red.; SMIRNOV, V.I., red.; SOKOLOV, Yu.D., red.;
SHTOKALO, I.Z., red.; YUSHKEVICH, A.P., red.; SHIROKOVA, S.A., red.;
YERMAKOVA, Ye.A., tekhn. red.

[Pedagogical heritage and documents on the life and work of Mikhail
Vasil'evich Ostrogradskii (1.1.1862 - 1.1.1962)]Mikhail Vasil'evich
Ostrogradskii, 1 ianvaria 1862 - 1 ianvaria 1962; pedagogicheskoe
nasledie, dokumenty o zhizni i deiatel'nosti. Pod red.I.B.Pogre-
bysskogo i A.P.IUshkevicha. Moskva, Gos.izd-vo fiziko-matem.lit-ry,
1961. 397 p.   (MIRA 15:1)

1. Akademiya nauk SSSR. Institut matematiki.
        (Ostrogradskii, Mikhail Vasil'evich, 1801-1861)

KOL'MAN, Ernest; YUSHKEVICH, A.P.; ROZENFEL'D, B.A., otv. red.;
UGAROVA, N.A., red.; KOPYLOVA, A.N., red.; BRUDNO, K.F.,
tekhn. red.

[Mathematics before the Renaissance] Matematika do epokhi Vos-
rozhdeniia. Moskva, Gos.izd-vo fiziko-matem. lit-ry. Book 1.
[History of mathematics in antiquity] Istoriia matematiki v drev-
nosti. 1961. 235 p. (MIRA 15:2)
(Mathematics, Ancient)

ROZENFEL'D, B.A.; YUSHKEVICH, A.P.

Some problems in the history of science discussed at the 25th
International Congress of Oriental Studies. Vop.ist.est. i tekh.
no.11:179-180 '61.   (MIRA 14:11)
                     (Oriental studies)
                          (Science)

ROSENFEL'D, B.A.; YUSHKEVICH, A.P.

Proofs of Euclid's Fifth Postulate in work by Thābit ibn
Qurrah al-Harrānī and Shams al-Din al-Samarqandi.   Ist. mat.
issl. no.14:587-592 '61.   (MIRA 16:10)

(Euclid's elements)
(Thābit ibn Qurrah al-Harrānī, 830-901)
(Al-Samarqandi, Shams al-Din Muhammad ibn Ashraf, fl.1291)

KOPELEVICH, Yu.Kh.; KRUTIKOVA, M.V.; MIKHAYLOV, G.K.; RASKIN, N.M.;
KNYAZEV, G.A., red.; SMIRNOV, V.I.; YUSHKEVICH, A.P.; TRAVIN,
N.V., red.izd-va; BOCHEVER, V.T., tekhn.red.

[Manuscripts of L.Euler's works in the archives of the
Academy of Sciences of the U.S.S.R.] Rukopisnye materialy
L.Eilera v arkhive Akademii nauk SSSR. Moskva, Izd-vo Akad.
nauk SSSR. Vol.1. [Scientific description] Nauchnoe opisanie.
1962. 427 p. (Akademiia nauk SSSR. Arkhiv. Trudy, no.17).
                                                    (MIRA 15:4)

(Euler, Leonhard, 1707-1783)

YUSHKEVICH, A.P.

"The exact sciences in antiquity" by O.Neubegauer.   Vop.ist.est.i
tekh.   no.12:207-210 '62.

(MIRA 15:4)

(Science, Ancient)
(Neubegauer, O.)

YUSHKEVICH, A.P.

"Pre-Greek mathematics" by Kurt Vogel. Reviewed by A. P.
IUshkevich. Vop.ist.est.i tekh. no.12:210-212 '62. (MIRA 15:4)
(Mathematics, Ancient) (Vogel, Kurt)

YUSHKEVICH, A.P.

"History of mathematics" by J.E.Hofmann. Reviewed by A. P. IUshkevich. Vop.ist.est.i tekh. no.12:212-213 '62. (MIRA 15:4)
(Mathematics) (Hofmann, J. E.)

YUSHKEVICH, A.P.

"Elements of the history of mathematics" by Nicolas Bourbaki.
Reviewed by A.P.IUshkevich. Vop.ist.est.i tekh. no.12:213-215
'62.
(MIRA 15:4)

(Mathematics) (Bourbaki, Nicolas)

YUSHKEVICH, A. P.

"Presentations of mathematicians at the elections to the Berlin Academy of Sciences" by Kurt-R. Biermann. Reviewed by A. P. IUshkevich. Vop.ist.est.i tekh. no.12:216-218 '62. (MIRA 15:4)
(Mathematicians) (Biermann, Kurt-R.)

GRIGOR'YAN, A.T.; YUSHKEVICH, A.P.

International symposium on the history of science in Oxford.   (MIRA 15:4)
Vop.ist.est.i tekh. no.12:242-243 '62.
                              (Science--Congresses)

ZUBOV, V.P.; YUSHKEVICH, A.P.

"Some problems in Euclidean geometry" by N. Oresme. Reviewed by V.P. Zubov, A.P. IUskhevich. Vop. ist. est. i tekh. no.13:160-162 '62.

(MIRA 16:5)

(Geometry)   (Oresme, N.)

MEDVEDEV, Fedor Andreyevich; YUSHKEVICH, A.P., doktor fiziko-
matem. nauk, otv. red.

[Development of the theory of sets in the 19th century]
Razvitie teorii mnozhestv v XIX veke. Moskva, Nauka, 1965.
231 p.   (MIRA 18:8)

GRIGOR'YAN, A.T., doktor fiz.-matem.nauk; YUSHKEVICH, A.P., doktor fiz.-matem. nauk; POGREBYSSKIY, I.V., doktor fiz.-matem.nauk

At the international congress of the historians of science in Warsaw. Vest. AN SSSR 35 no.12:67-71 D '65.

(MIRA 19:1)

YUSHKEVICH, A.V.

NEVOLIN, F.V., kandidat tekhnicheskikh nauk;MAKHINYA, V.M.; YUSHKEVICH, A.V.

Characteristics of solutions of alkyl benzenesulfonates and soap
mixtures. Masl.-zhir.prom.23 no.1:27-30 '57.   (MLRA 10:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.
          (Washing powders) (Sulfonates) (Soap)

- Dependence of surface-active and detergent properties of alkylbenzenesulfonates on the length and structure of the alkyl chain. P. V. Sergiin, G. A. Ki-l-Osikins, and A. V. Yushkevich. Maslobolno-Zhirovaya Prom. 23, No. 7, 33-4 (1957).—A polymer from petroleum gas was distilled into the following fractions: I, 100-30° (octylene fraction), II, 120-50° (nonylene fraction), III, 100-120°, IV, 120-164° (diisoamylene fraction), V, 120-180° (diisoamylene fraction), VI, tetrapropylene fraction (boiling range not given), and VII "wide" and "narrow" fractions of octamers and pentamers. From these fractions were prepd. the benzenesulfonic acid Na salts. The sulfonate from VI in all concns. was a good depressant for the surface tension of water;

PETROV, A.D., NIKISHINA, G.I., kand. khim. nauk, NEVOLIN, F.V., kand. tekhn. nauk, KRAL'-OSIKINA, G.A., OREKHOVA, M.V., YUSHKEVICH, A.V.

1. Chlen-korrespondent AN SSSR (for Petrov). 2. AN SSSR (for Petrov, Nikishina). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Nevolin, Kral'-Osokina, Orekhova, Yushkevich).
(Benzenesulfonic acid)
(Surface active agents)

Yushkov, A.V.

FILM X BOOK EXPLOITATION   SOV/4018

Akademiya nauk Belorusskoy SSR. Fiziko-tekhnicheskiy institut

Sbornik nauchnykh trudov, vyp. 5. (Collected Scientific Papers of the Institute of Engineering Physics, Academy of Sciences Belorusskaya SSR. No. 5) Minsk, Izd-vo AN BSSR, 1959. 235 p. Errata slip inserted.

1,500 copies printed.

Ed. of Publishing House: L. Marius; Tech. Ed.: M. I. Volokhovich.

Editorial Board: L.I. Sergeyenko, Academician, Academy of Sciences BSSR (Chief Ed.); L.V. Gorev, Academician, Academy of Sciences BSSR, K.M. Gorbunov, Candidate of Technical Sciences, and P.I. Yashcheritsyn, Candidate of Technical Sciences.

PURPOSE: This book is intended for technical personnel and scientific workers.

COVERAGE: This collection of 23 articles covers the following subjects...

[remainder of list illegible]

NEVOLIN, F.V., kand.tekhn.nauk; TIPISOVA, T.G.; YUSHKEVICH, A.V.

Effect of the composition of cleaning compounds on the quality
of washed laundry. Masl.-zhir.prom. 25 no.9:29-30 '59.
(MIRA 12:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.
(Cleaning compounds--Testing)

YUSHKEVICH, E.S.

Processing of four photographs of August 1961 meteors. Izv.AN
Turk.SSR.Ser.fiz.-tekh.,khim.i geol.nauk. no.3:127 '62. (MIRA 16:5)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Meteors—August)

ACCESSION NR: AP4046297   S/0203/64/004/005/0965/0968

AUTHOR: Gul'medov, Kh., Yushkevich, E.S.

TITLE: Structure and diffusion of meteor trails from photographic observations

SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 5, 1964, 965-968

TOPIC TAGS: meteor, meteor trail, meteor trail diffusion, atmospheric turbulence, meteor trail structure

ABSTRACT: This paper presents the results of photometric measurements of the blackening density of successive photographs of stable meteor trails, observed on 21 October 1961 Astronomicheskaya observatoriya im. V.P. Engelgardta (V.P. Engel'gardt Astronomical Observatory) at Kazan'. Two trails were investigated. Partial results were previously published by the author (Geomagnetizm i aeronomiya, 1963, 3, No. 2, 309; Byull. VAGO, 1962, No. 32(39)). The photographs were taken with a camera with a "Yupiter-8" objective (f = 1:2, F = 50 mm). Seven or eight successive negatives were obtained for each trail. Measurements of the blackening density of the image of the trails were made using a MF-4 microphotometer with a magnification of 20. Information is given on the linear dimensions of the trails. It was found that the structure of the

Card 1/5

ACCESSION NR: AP4046297

trail in the second exposure was patchy, consisting of individual condensations. The largest condensations were formed at the beginning and end of the trail. The structure of the trail changed by the third exposure: the condensations in the middle part of the trail merged, only the large condensations at the beginning and end of the trail remaining. There was also a shifting of isophots from exposure to exposure. Figures 1 and 2 of the Enclosure show that with increasing height there is a change in both velocity and the coefficient of diffusion of the trails. These values correlate well with the variation in velocity of drift of the trails. There is an interrelationship between the structure of the trails and their rates of diffusion and drift; this can be attributed to the influence of atmospheric turbulence on the formation and development of trails. It is also shown that attenuation of the trail occurs not only as a result of diffusion, but also due to other phenomena which considerably accelerate this process. Brightness of the trail is also variable with height, as shown by Fig. 3 of the Enclosure. Orig. art. has: 3 formulas, 4 figures and 1 table.

ASSOCIATION: Otdel geofiziki i seysmologii, AN Turkmenskoy SSR (Division of Geophysics and Seismology, Academy of Sciences of the Turkmen SSR)

SUBMITTED: 18May64
ENCL: 03
SUB CODE: AA

NO REF SOV: 004
OTHER: 000

Card 2/5

Fig. 1. Velocity profile of the meteor trails, and the variation in coefficient of diffusion with height.

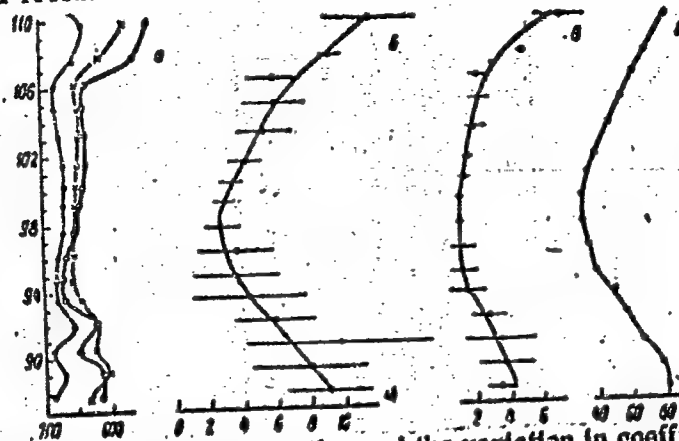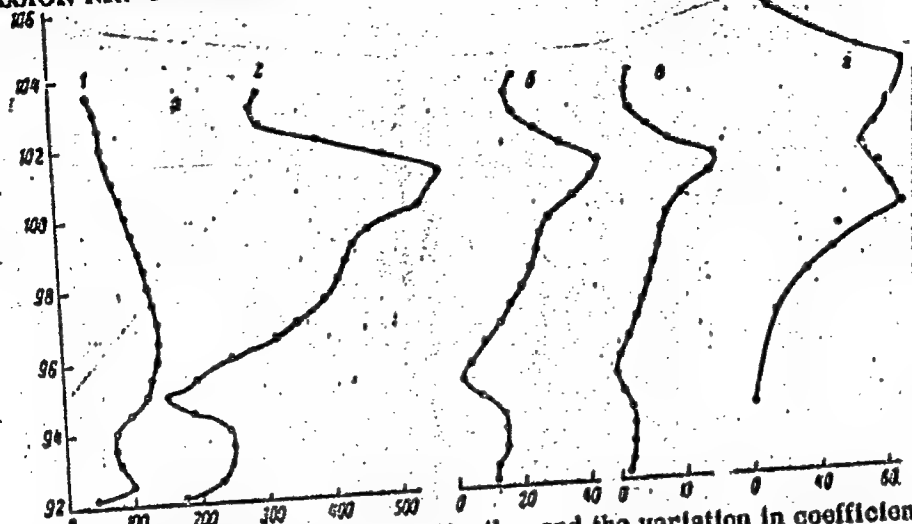Card 3/5

ACCESSION NR: AP4046297

Fig. 2. Velocity profile of the meteor trails, and the variation in coefficient of diffusion with height.

Card 4/5

ACCESSION NR: AP4046297

ENCLOSURE: 03
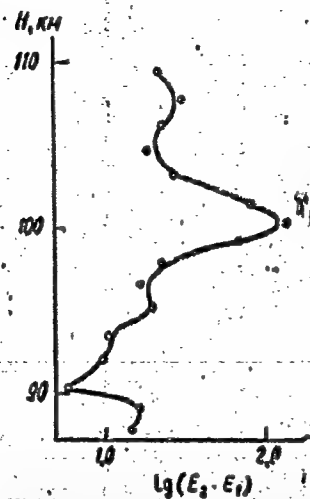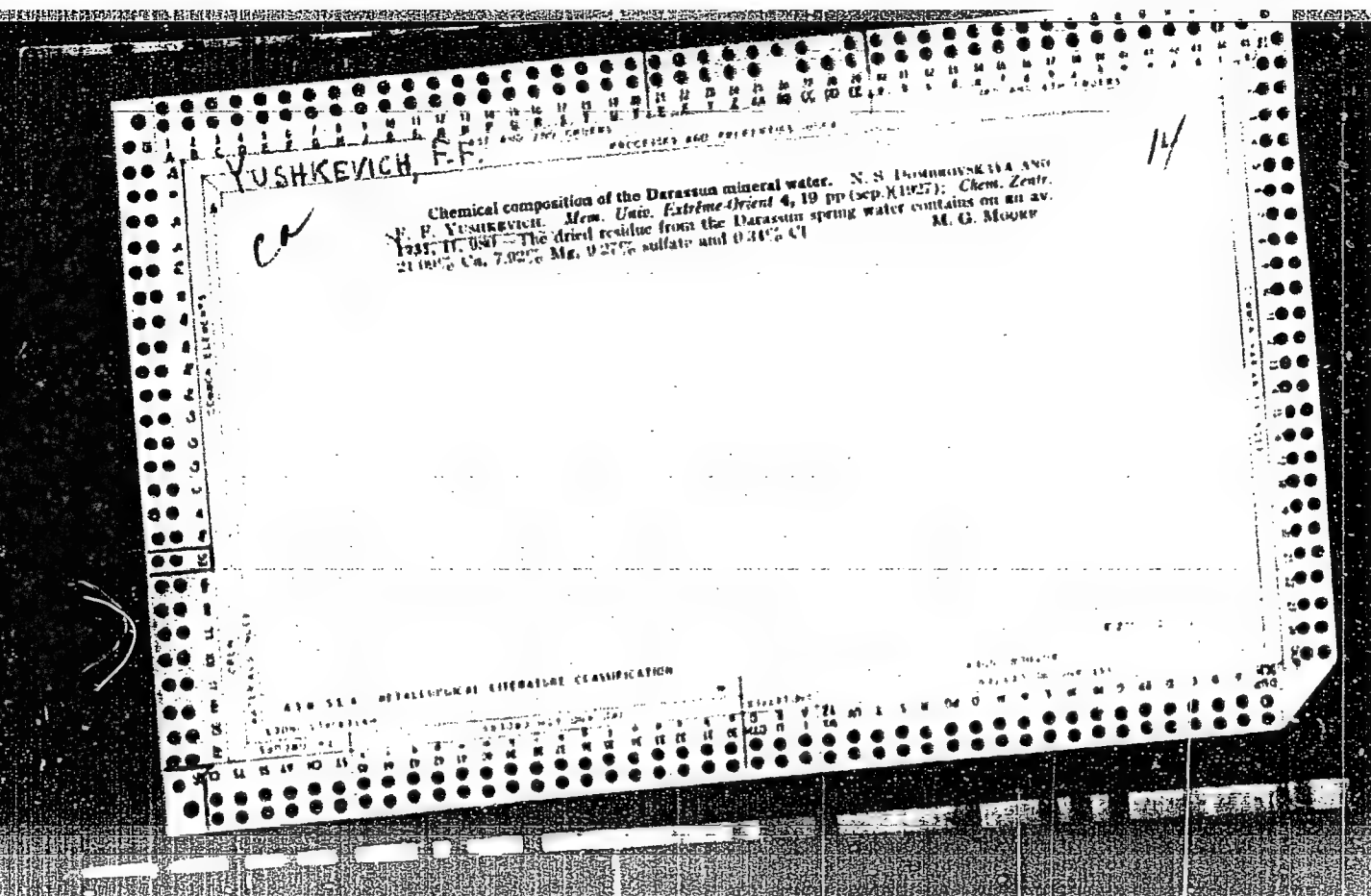

Fig. 3. Relationship between brightness of a meteor trail and height.

Card 5/5

GUL'MEDOVA, A.A.; SIMONENKO, A.N.; YUSHKEVICH, E.S.

Results of photographic observations of meteors. Izv. AN Turk.
SSR. Ser. fiz.-tekh., khim. i geol.nauk no.3:131 '64
                                            (MIRA 18:1)

1. Otdel geofiziki i seysmologii AN Turkmenskoy SSR, Astrofizi-
cheskaya laboratoriya.

YUSHKEVICH, F.F.

Chemical composition of the Darassun mineral water. N. S. Troinnovskaya and F. P. Yushkevich. *Mem. Univ. Extrême-Orient* 4, 19 pp (sep.)(1927); *Chem. Zentr.* 1935, II, 081.—The dried residue from the Darassun spring water contains on an av. 21.06% Ca, 7.02% Mg, 0.97% sulfate and 0.36% Cl   M. G. Moore

YUSHKEVICH, G. F.

AUTHORS: Dzhelepov, B. S., Kraft, O. Ye., Preobrazhenskiy, B. K., Yushkevich, G. F.

TITLE: Positron Spectra of the Dysprosium Fraction (Spektry pozitronov disproziyevoy fraktsii)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, 1958 Vol. 22, Nr 2, pp. 2o8-21o (USSR)

ABSTRACT: The mentioned dysprosium fraction was here obtained by separation from the tantalum target, which was irradiated by protons with an energy of 66o MeV. In this connection it is stated, that no data can be found in publications on the dysprosium isotope with a half life of 2o hours. Dy^{157} was ascribed to the eighth period (reference 2). From reference 3 it can be seen, that another Dy^{155} exists with a half life of 1o hours. In order to determine which isotopes are contained in the here obtained preparation, its conversion spectrum was investigated, which resulted in the determination of 11 peaks of conversion electrons. 6 of these possessed the same half life of 11 ± 2 hours. The energy of the electrons amounted to $18o \pm 1o$, $27o \pm 15$, $32o \pm 2o$, $4oo \pm 25$, $465 \pm 3o$ and $61o \pm 3o$ keV. It was assumed, that these are K-electrons, possessing

Card 1/3

the transition energies 23o, 32o, 37o, 45o, 515, and 66o keV.
Such transitions "apparently" correspond to Dy^{155} or Dy^{157}.
The ratio of the number of positrons and of the number of
conversion electron transitions with $h\nu$ = 515 keV was establi-
shed to be 37,5. A half life of 4,7 days and energies of 98,
112, 132 and 162 keV here corresponded to the four groups of
conversion electrons. A comparison with the conversion
spectrum of the dysprosium fraction as given in reference 3
permits to assume, that in this case it is concerned with the
lines k-148, K-162, K-182 and K-21o, which occur in the decay
of Tb^{155} (the first three of them), which also pertains to the
decay of Dy^{155} and Dy^{157}. Concerning the 2o hours decay period
which was found in this investigation in the dysprosium fract-
ion, it is stated here, that its origin remained unclear. Con-
cerning this it is remarked, that in the measurements of the
terbium fraction on a ketron (reference 4) positrons from a
decay with a half life of 18 hours and a limit energy of
~28oo keV were observed, which is near to the found half li-
fe of ~2o hours. For this reason it is assumed, that the re-
spective positron spectrum refers to the isotope Tb with a half
life of 18 hours. There are 4 figures and 4 references,

Card 2/3   3 of which are Soviet.

Positron Spectra of the Dysprosium Fraction   48-22-2-14/17

ASSOCIATION: Fizicheskiy institut Leningradskogo gos. universiteta im.
A. A. Zhdanova (Physics Institute, Leningrad University imeni
A. A. Zhdanov)

AVAILABLE: Library of Congress

1. Dysprosium fraction-Positron spectra   2. Proton irradiation-
Application

Card 3/3

YUSHKEVICH, G.F., otv. za vypusk; GRIGOR'YEV, Ye.P., red.; BREDIKHIN,
A.M., kontrol'nyy red.

[Instruments based on the application of radioisotopes and
radiation; catalog] Pribory, osnovannye na primenenii radio-
aktivnykh izotopov i izluchenii; katalog. Moskva, 1959.
31 p.　　　　　　　　　　　　　　　　　　(MIRA 12:11)

1. Mezhdunarodnaya peredvizhnaya vystavka priborov i sredstv
izmereniya, primenyayemykh pri issledovaniyakh v sel'skokho-
zyaystvennykh nauchnykh uchrezhdeniyakh.
　　(Radioisotopes--Industrial applications) (Instruments)

L-27056-66   EWT(m)

ACC NR AP

SOURCE CODE: UR/0120/66/000/001/0198/0199

AUTHOR: Dunayevskaya, N. V.; Sosnin, L. D.; Yushkevich, G. F.

ORG: Belorussian State University (Belorusskiy gosudarstvennyy universitet)

TITLE: Optimal spectrometric regime of a photomultiplier with venetian-blind dynode system

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1966, 198-199

TOPIC TAGS: spectrometry, photomultiplier tube, Gamma spectrometer, scintillation spectrometer, voltage divider

ABSTRACT: The authors investigated the spectrometric properties and operating conditions of the photomultipliers FEU-13, -34, -52, and -56, with an aim at checking whether the rated supply voltages in the printed specifications for these multipliers are correct. To this end, they measured the dependence of the amplitude of the output signal and the amplitude resolution of a scintillation pickup on the voltage between the photocathode and the anode for different total photomultiplier voltage. The NaI(Tl) scintillation spectrometer crystals used in the tests measured 40 x 40 mm for the FEU-13 and -34, and 70 x 70 mm for FEU-52 and -56. The γ-ray source was Cs137. The scintillation pulses were recorded with AI-100 and AMA-4S pulse-height analyzers. The measurements showed that the old rated voltages do not agree with the new optimal spectrometric regime. The use of a voltage divider to maintain the spectrometric regime was recommended, and the values of

UDC: 621.383.292

L 27056-66

ACC NR: AP6007839

the resistances required for the various multipliers are given. Orig. art. has:
1 figure.

SUB CODE: 20, 09/ 14/ SUBM DATE: 09Jan65/ ORIG REF: 002

L 08077-67   EWP(e)/EWT(m)   DS/GG/WH

ACC NR: AP6034215

38
B
15
M

AUTHOR: Yushkevich, G. F.; Soshina, N. V.

ORG: none

TITLE: Investigation of the effect of neutron and gamma irradiation on the optical density of glasses used in some photomultipliers

TOPIC TAGS: photomultiplier, gamma irradiation, neutron irradiation, irradiation effect

ABSTRACT: An investigation was made of the effect of gamma and neutron irradiation on the optical density of glasses used for FEU-13, FEU-14, FEU-52, and FEU-56 photomultipliers. Photocathode glasses 40 and 70 mm in diameter and 1 and 2 mm thick, respectively, were used as specimens. Gamma irradiation was conducted in cobalt installations with dose rates of 100 and 1 r/sec. Neutron irradiation was conducted in the vertical channel of an IRT-2000 reactor with integral fluxes of 10^{10}, 10^{12}, 10^{14}, and 10^{16} neutrons/cm^2. A gamma-irradiation dose of the order of 5×10^4 r at an average quantum energy of 1.25 Mev increased the optical density of glasses approximately 1.05 times. Gamma doses of 10^7 r and higher brought about greater changes. Neutron irradiation also darkened the glasses, although the darkening was uneven. The darkening can be linked to the appearance of F-color

UDC: 666.266.5

Card   1/2